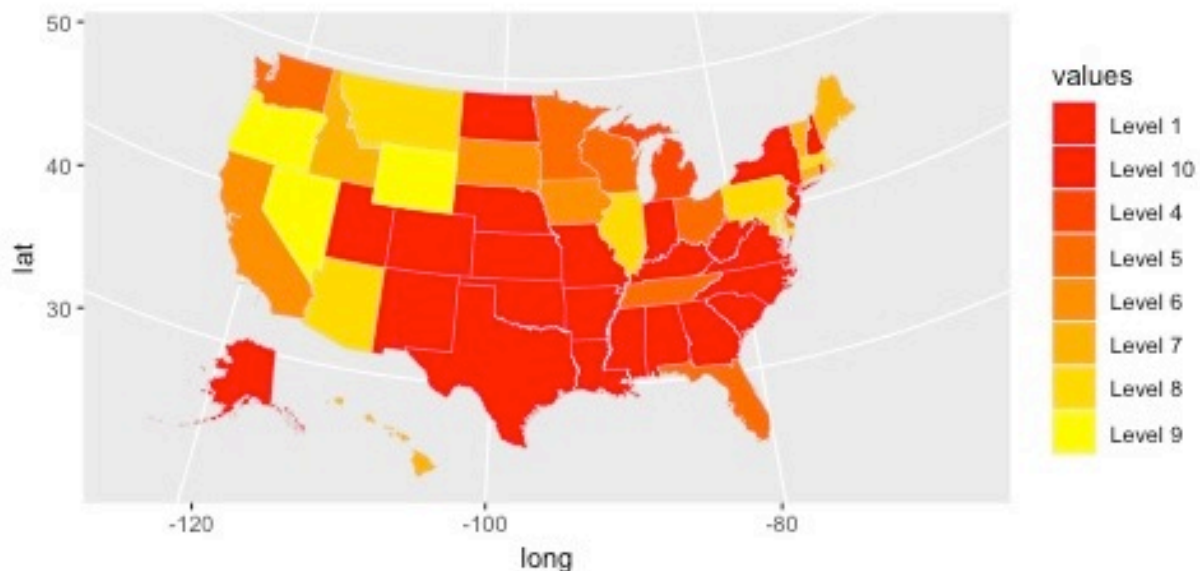


## Part 2- USA Heat-Map for CDC Flu Data

**Goal:** To Generate heatmap for CDC Flu data for United States.

**Data Used:** We have used 2018-19 Influenza Season Week 8 data to plot the intensity level of Flu in different states of USA

**Heatmap:**



**Observation:**

For the Week 8 data following observations were made:

- Southern States showed the highest level of Flu impact. Texas, Oklahoma, Arkansas, New York are amongst the ones that has shown the highest level of Flu impact.
- As compared to the Positive cases of Flu from our previous graphs, towards the end of 2018-19 season the Flu levels have risen to a level equivalent to the levels back in 2017.
- The levels in the map reflect the impact level in different states, however level 1 being the lowest and level 10 being in the highest.

- Western states have faced least to moderate impact of Flu.
- The data when compared with Flu data from previous archives ranging from 2014 to 2019 has shown sudden and very high rise in the Flu cases per state.
- Although the impact on the western states look less, but looking at the pace at which the impact of virus is increasing every year, we are not away from the day when the entire heatmap will reflect a level 10 intensity over all the states of USA.